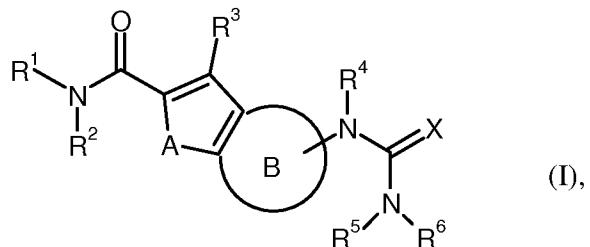


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A compound of the formula



in which

R^1 is 1-azabicyclo[2.2.2]oct-3-yl,

R^2 is hydrogen,

R^3 is hydrogen,

R^4 is hydrogen,

R^5 is hydrogen

R^6 is (i) hydrogen, (ii) C_1 - C_6 -alkyl, (iii) C_3 - C_8 -cycloalkyl, (iv) C_6 - C_{10} -aryl, (v) 5- to 10-membered heteroaryl, (vi) C_6 - C_{10} -arylcarbonyl, where (ii) is optionally substituted by phenyl, C_1 - C_6 -alkoxycarbonyl or C_1 - C_6 -alkoxy, and (iv), (v) and (vi) are optionally substituted by up to 3 radicals selected independently of one another from the group of C_1 - C_6 -alkyl, C_1 - C_6 -hydroxyalkyl, 3- to 8-membered heterocyclyl, C_6 - C_{10} -aryl, 5- to 10-membered heteroaryl, hydroxy, halogen, cyano, C_1 - C_6 -alkoxy, C_1 - C_6 -acyl, trifluoromethyl, trifluoromethoxy, nitro, amino, C_1 - C_6 -alkylamino, or C_1 - C_6 -acylamino,

A is sulfur,

X is oxygen, and

the ring B is benzo,

or ~~a solvate, a salt or a solvate of a salt, a hydrate, or a hydrate of a salt~~ thereof.

2. (Currently amended) A compound as claimed in claim 1, of the formula (I) in which

R^1 is 1-azabicyclo[2.2.2]oct-3-yl,

R^2 is hydrogen,

R³ is hydrogen,

R⁴ is hydrogen,

R⁵ is hydrogen

R⁶ is (i) hydrogen, (ii) C₁-C₆-alkyl, (iii) C₃-C₈-cycloalkyl, (iv) C₆-C₁₀-aryl, (v) 5- to 10-membered heteroaryl, where (ii) is optionally substituted by phenyl, or C₁-C₆-alkoxy, and (iv) and (v) are optionally substituted by up to 3 radicals selected independently of one another from the group of C₁-C₆-alkyl, C₁-C₆-hydroxyalkyl, 3- to 8-membered heterocycll, C₆-C₁₀-aryl, 5- to 10-membered heteroaryl, hydroxy, halogen, cyano, C₁-C₆-alkoxy, C₁-C₆-acyl, trifluoromethyl, trifluoromethoxy, nitro, amino, C₁-C₆-alkylamino, or C₁-C₆-acylamino,

A is sulfur, and

X is oxygen , and

the ring B is benzo,

or ~~a solvate, a salt or a solvate of a salt , a hydrate, or a hydrate of a salt~~ thereof.

3. (Currently amended) A compound as claimed in claim 1, of the formula (I) in which

R¹ is 1-aza-bicyclo[2.2.2]oct-3-yl,

R² is hydrogen,

R³ is hydrogen,

R⁴ is hydrogen,

R⁵ is hydrogen,

R⁶ is (i) hydrogen, (ii) C₁-C₄-alkyl, (iii) C₅-C₆-cycloalkyl, (iv) phenyl, (v) 5- to 6-membered heteroaryl, (vi) C₆-C₁₀-arylcarbonyl, where (ii) is optionally substituted by phenyl, C₁-C₄-alkoxycarbonyl or C₁-C₃-alkoxy, and (iv), (v) and (vi) are optionally substituted by up to 3 radicals selected independently of one another from the group of C₁-C₄-alkyl, C₁-C₄-hydroxyalkyl, 3- to 8-membered heterocyclyl, C₆-C₁₀-aryl, 5- to 10-membered heteroaryl, hydroxy, fluorine, chlorine, cyano, C₁-C₃-alkoxy, C₁-C₃-acyl, trifluoromethyl, trifluoromethoxy, nitro, amino, C₁-C₃-alkylamino, or C₁-C₃-acylamino,

A is sulfur,

X is oxygen, and

the ring B is benzo,

or ~~a solvate, a salt or a solvate of a salt, a hydrate, or a hydrate of a salt~~ thereof.

4. (Currently amended) A compound as claimed claim 1, of the formula (I) in which

R¹ is 1-azabicyclo[2.2.2]oct-3-yl,

R² is hydrogen,

R³ is hydrogen,

R⁴ is hydrogen,

R⁵ is hydrogen,

R⁶ is (i) hydrogen, (ii) C₁-C₄-alkyl, (iii) C₅-C₆-cycloalkyl, (iv) phenyl, (v) 5- to 6-membered heteroaryl, where (ii) is optionally substituted by phenyl, and (iv) and (v) are optionally substituted by up to 3 radicals selected independently of one another from the group of C₁-C₄-alkyl, C₁-C₄-hydroxyalkyl, hydroxy, chlorine, fluorine, cyano, C₁-C₃-alkoxy, C₁-C₆-acyl, trifluoromethyl, trifluoromethoxy, amino, C₁-C₃-alkylamino, or C₁-C₃-acylamino,

A is sulfur,

X is oxygen and

the ring B is benzo,

or a solvate, a salt or a solvate of a salt, a hydrate, or a hydrate of a salt thereof.

5. (Currently amended) A compound as claimed in claim 1, of the formula (I) in which

R^1 is 1-azabicyclo[2.2.2]oct-3-yl,

R^2 to R^4 are hydrogen,

R^5 is hydrogen,

R^6 is (i) hydrogen, (ii) C_1 - C_4 -alkyl, (iii) C_5 - C_6 -cycloalkyl, (iv) phenyl, (v) pyridyl, (vi) C_6 - C_{10} -arylcarbonyl, where (ii) is optionally substituted by phenyl, C_1 - C_4 -alkoxycarbonyl or C_1 - C_3 -alkoxy, and (iv), (v) and (vi) are optionally substituted by up to 3 radicals selected independently of one another from the group of C_1 - C_4 -alkyl, C_1 - C_4 -hydroxyalkyl, 3- to 8-membered heterocyclyl, C_6 - C_{10} -aryl, 5- to 10-membered heteroaryl, hydroxy, fluorine, chlorine, cyano, C_1 - C_3 -alkoxy, C_1 - C_3 -acyl, trifluoromethyl, trifluoromethoxy, nitro, amino, C_1 - C_3 -alkylamino, or C_1 - C_3 -acylamino,

A is sulfur,

X is oxygen,

the ring B is benzo,

or ~~a solvate, a salt or a solvate of a salt, a hydrate, or a hydrate of a salt~~ thereof.

6. (Currently amended) A compound as claimed in claim 1, of the formula (I) in which

R¹ is 1-azabicyclo[2.2.2]oct-3-yl,

R² is hydrogen,

R³ is hydrogen,

R⁴ is hydrogen,

R⁵ is hydrogen,

R⁶ is (i) hydrogen, (ii) C₁-C₄-alkyl, (iii) cyclopentyl, cyclohexyl, (iv) phenyl, (v) benzyl, (vi) phenethyl, where (iv) to (vi) are optionally substituted by up to 3 radicals selected independently of one another from the group of hydroxy, chlorine, fluorine, cyano, methoxy, ethoxy, C₁-C₄-acyl, trifluoromethyl, trifluoromethoxy, amino, C₁-C₃-alkylamino,

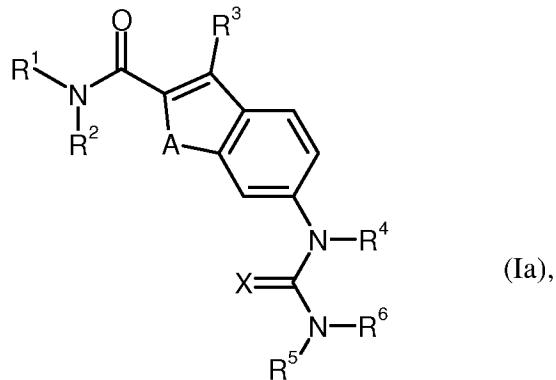
A is sulfur,

X is oxygen and

the ring B is benzo,

or ~~a solvate, a salt or a solvate of a salt, a hydrate, or a hydrate of a salt~~ thereof.

7. (Currently amended) A compound of the formula

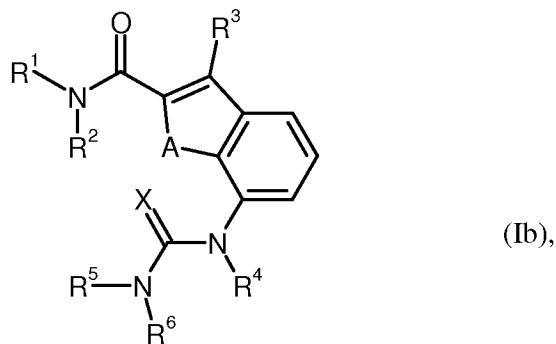


in which

*R*¹ to *R*⁶, *A* and *X* have the meanings indicated in claim 1,

or a solvate, a salt or a solvate of a salt, a hydrate, or a hydrate of a salt thereof.

8. (Currently amended) A compound of the formula



in which

*R*¹ to *R*⁶, *A* and *X* have the meanings indicated in claim 1,

or a solvate, a salt or a solvate of a salt, a hydrate, or a hydrate of a salt thereof.

9. (Canceled)

10. (Canceled).

11. (Canceled).

12. (Canceled)

13. (Withdrawn, Currently Amended) A ~~medicament~~ pharmaceutical composition comprising at least one compound as claimed in claim 1 and at least one pharmaceutically acceptable, ~~essentially nontoxic~~ carrier or excipient.

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)